



FABRICATION PROJECT – TA201A

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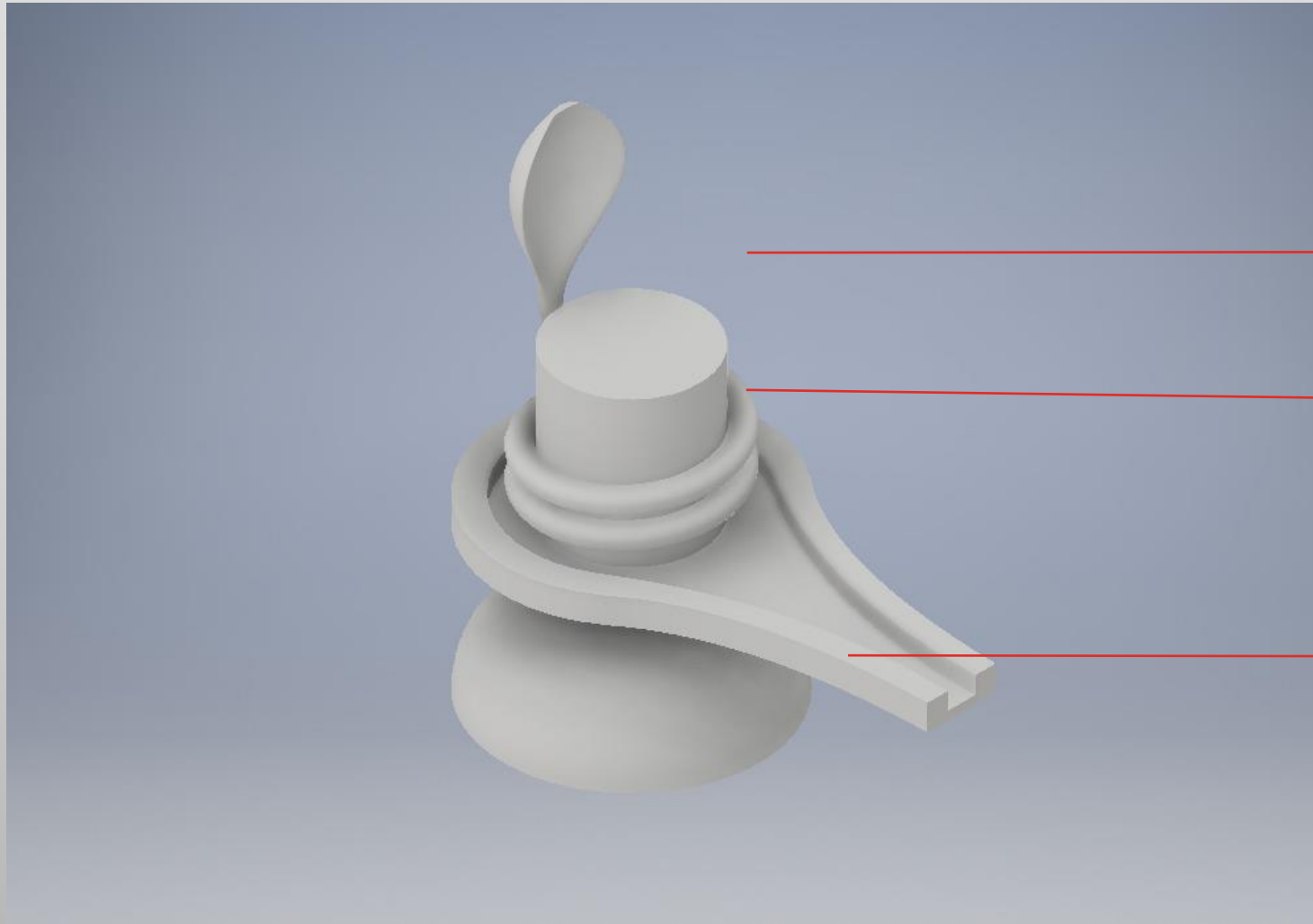
ACKNOWLEDGEMENT

- I would like to express my sincere gratitude to our course instructor Mr. Sudhanshu Shekar Singh for introducing Manufacturing processes and giving a great opportunity to explore our creativity through lab manufacturing processes.
- I would also like to express my sincere gratitude to our tutor Mr. Tafzeelul Kamal and our lab-in-charge Mr. Indra Pal Singh who encouraged us a lot in making our fabrication project .
- Their support and direction was too active throughout the execution of the project.

SHIVA LING



ISOMETRIC VIEW

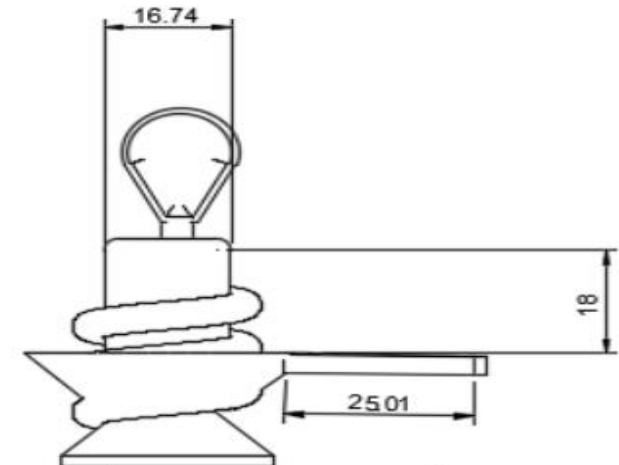
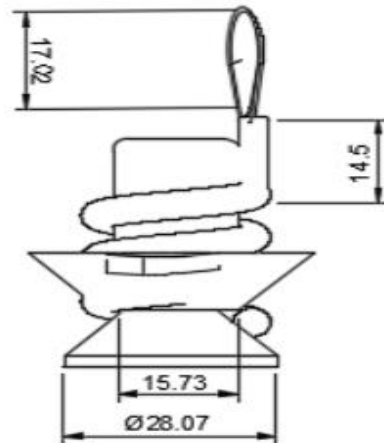
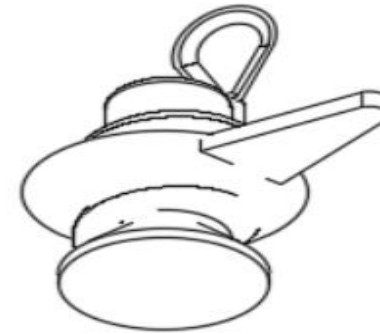
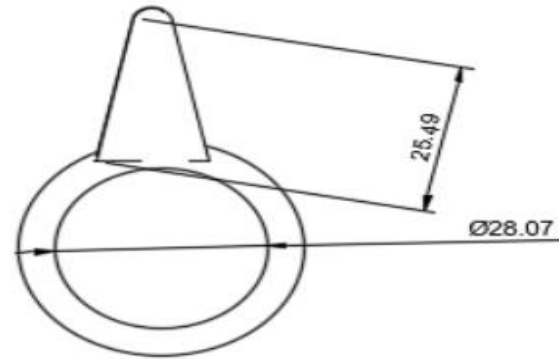


1. SNAKE

2. LING

3. YONI

ORTHOGRAPHIC VIEW



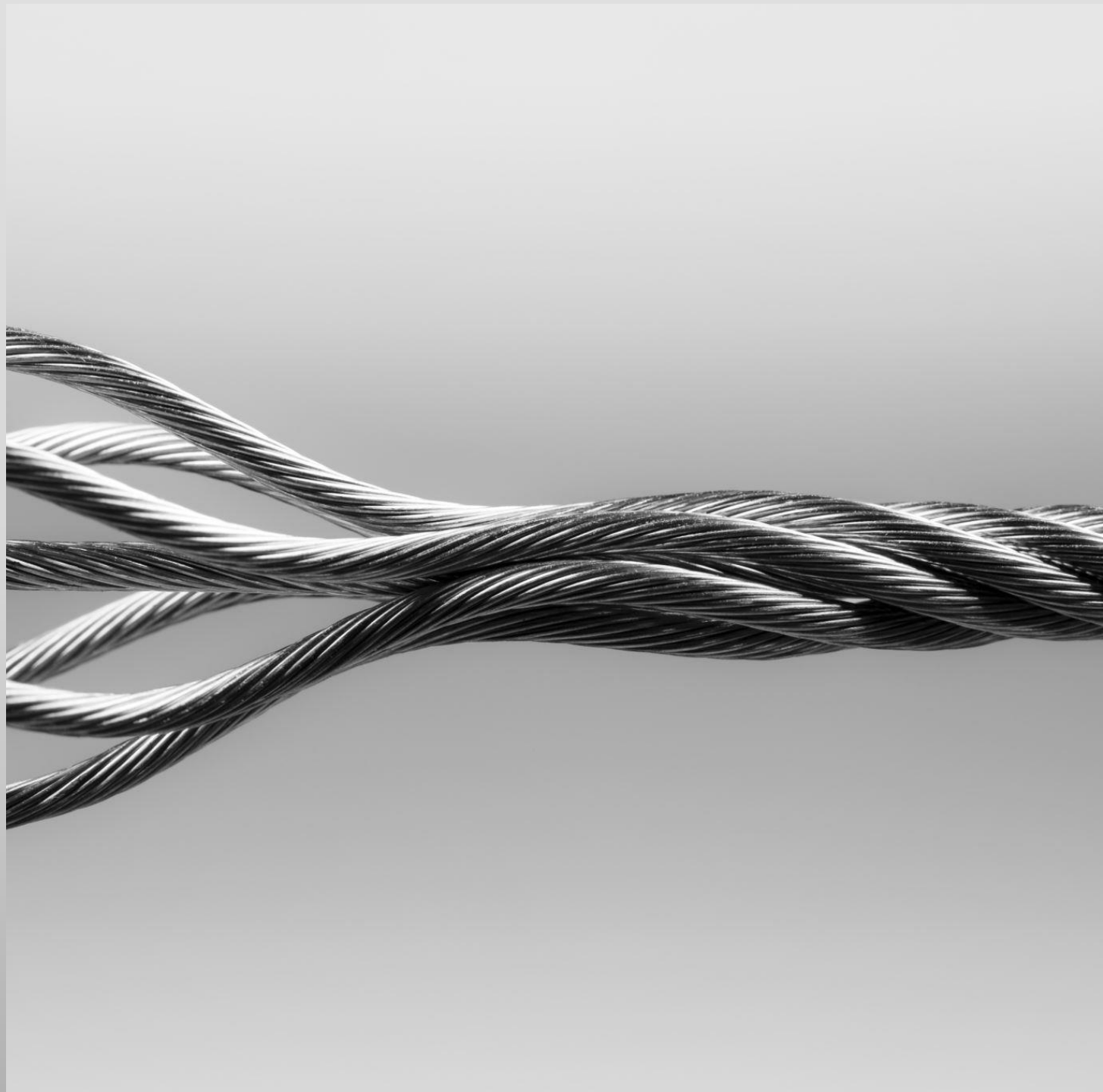
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units : mm
scale 1:0.7



MATERIALS REQUIRED

- Galvanized Iron sheet
- Mild steel round rod
- Aluminum
- Aluminum can
- M – Seal
- Fevikwik



MANUFACTURING PROCESSES:

Bending

**Adhesive
Bonding**

Cutting

Brazing

Casting

FLOW CHART

BENDING METAL SHEET TO GET THE SHAPE OF YONI.



BENDING ANOTHER METAL SHEET TO GET THE SHAPE OF LING.



NOW ATTACH LING TO YONI THROUGH BRAZING.



**NOW SHAPE THE SNAKE WITH MILD STEEL ROD USING
BENDING.**



NOW PLACE THE SNAKE AROUND THE LING

FABRICATION PARTS

- Galvanised iron sheet
- Ling part
- Bending process



- Galvanised iron sheet
- Top part of Ling
- Forging process



- **Galvanised iron sheet**
- **Base part**
- **Brazing process**



Base part



- Galvanised iron sheet and mild steel round rod
- Snake
- Cutting and bending



- Aluminum ingots
- Yoni
- Casting



Final model



FINAL MODEL
(after painting)



COST ANALYSIS

MATERIAL USED	DIMENSIONS	COST
GALVANIZED IRON SHEET	30cm × 50 cm × 0.5mm	Rs. 275
MILD STEEL ROUND ROD	3mm dia	Rs. 20
ALUMINUM	Ingots	Rs. 380
ALUMINUM CAN	15cm × 20cm	Rs. 30
GRAND TOTAL		Rs. 705



DIFFICULTIES FACED :

- It was hard to make the shape of head part of the snake.
- And it was bit difficult in making the top part of ling to get like hemisphere shape.
- It's difficult to make the base (yoni part) if not used casting to get the shape.



THANK YOU